

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~strike through~~. The status of each claim is indicated with one of (original), (currently presented), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please AMEND the claims in accordance with the following:

1. (CURRENTLY AMENDED) An information providing system comprising:
 a plurality of information sources each having both an information providing function of providing topical information upon receipt of a request from a user's client for providing ~~information the same~~, and each having an index output function of outputting an individual index representative of an a topical information group ~~category that it is~~ capable of being provided by ~~oneself providing~~;

a retrieval engine having an index construction function of ~~finally~~ receiving at least one individual index outputted by the index output function of at least one information source ~~to construct and constructing~~ a general index representative of ~~information group~~ a topical information category capable of being provided by at least one information source, and having an information retrieval function of retrieving information for a user upon receipt of a user request ~~for retrieving to retrieve information, the retrieving being done~~ with the general index constructed by the index construction function; and

a mediating apparatus intervening between said information sources and said retrieval engine and adapted for receiving to receive a plurality of individual indexes outputted from said plurality of information sources to select an individual index satisfying a predetermined index selection condition ~~from among the plurality of individual indexes thus received~~, said mediating apparatus sending the selected individual index to said retrieval engine for use in the index construction function.

2. (CURRENTLY AMENDED) A mediating apparatus comprising:
 an index receiving section ~~for receiving~~ adapted to receive a plurality of individual indexes outputted by a plurality of information sources, each information source having both an information providing function of providing topical information to a user's client upon receipt of a

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user request for providing information the same, and each information source having an index output function of outputting an individual index representative of [an] a topical information [group] category that it is capable of providing-being provided by oneself;

an index selection section for selecting adapted to determine whether an outputted and received individual index satisfying satisfies a predetermined index selection condition from among the plurality of individual indexes received by said index receiving section; and

an index sending section for sending adapted to send the individual index selected determined by said index selection section to a retrieval engine for use in an index construction function, said retrieval engine having the index construction function of finally-receiving at least one individual index outputted by the index output function of at least one information source to construct a general index representative of information group capable of being provided by at least one information source, and an information retrieval function of retrieving information upon receipt of a request for retrieving information with the general index constructed by the index construction function.

3. (ORIGINAL) A mediating apparatus according to claim 2, wherein a plurality of said retrieval engines is provided,

said mediating apparatus further comprises an index selection condition storage section for storing the index selection condition in association with said retrieval engine upon receipt of a request for registration of the index selection condition by said retrieval engine,

said index selection section selects an individual index satisfying an index selection condition stored in said index selection condition storage section, and

said index sending section sends the individual index selected by said index selection section to a retrieval engine associated with the index selection condition used in selection of the individual index, of the plurality of retrieval engines.

4. (ORIGINAL) A mediating apparatus according to claim 2, wherein said information sources each has, as the index output function, a function of receiving a push program defining a method of producing and outputting the individual index to produce and output the individual index in accordance with the method defined by the push program, and

said mediating apparatus further comprises a program receiving section for receiving the push program,

a program selection section for selecting a push program satisfying a predetermined program selection condition from among the push programs received by said program receiving

section, and

a program sending section for sending the push program selected by said program selection section to said information source for use in the index output function.

5. (ORIGINAL) A mediating apparatus according to claim 4, wherein said mediating apparatus further comprises a program selection condition storage section for storing the program selection condition in association with said information source upon receipt of a request for registration of the program selection condition by said information source,

Q4 said program selection section selects a push program satisfying a program selection condition stored in said program selection condition storage section, and

said program sending section sends the push program selected by said program selection section to an information source associated with the program selection condition used in selection of the push program.

6. (NEW) A method of mediating index information exchanged between information source servers and retrieval engines that index the information source servers, the method comprising:

maintaining, at a mediator separate from and between the information source servers and the retrieval engines, indicia of topical information categories of the information source servers and of the retrieval engines; and

based on the indicia of the topical information categories, distributing to the retrieval engines indexing information pushed to the mediator from the information source servers, where the pushed indexing information indexes topical information providable by the information source servers to users upon request of the users.

7. (NEW) A method according to claim 6, further comprising:

based on the indicia, distributing from the mediator to the information source servers index-pushing information used by the information source servers to push the indexing information.

8. (NEW) A system for mediating information source servers and retrieval engines for retrieving information from the information source servers, where the information source servers serve topical information to users over a network responsive to requests of the users, where the retrieval engines store index information indexing the information served by the

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information source servers, and where the retrieval engines use the index information to search the topical information responsive to user requests, the system comprising:

a mediator, separate from the information source servers and retrieval engines, the mediator being capable of mediating distribution of a push-program and mediating distribution of index information pushed from the push-program after the push-program has been distributed by the mediator;

the mediating distribution of a push-program comprising:

receiving a push-program capable of pushing from an information server index information of that server,

deciding which of the information source servers are suitable to the push-program, and

pushing the push-program to the suitable information source servers; and

the mediating distribution of pushed index information pushed by the push-program comprising:

receiving index information of an information server pushed by a push-program of the information server,

deciding one or more of the retrieval engines that are suitable to the pushed index information, and

sending the pushed index information to the one or more suitable retrieval engines.

9. (NEW) A method, comprising:

using a mediator program to push different push-programs to different types of web servers;

executing the different push-programs on the different types web servers, where each push-program received by a web server executes and detects changes in information provided to web browsers by its respective web server by comparing current information available from the respective web server with previous information available from the respective web server, and where each push-program responds to detected changes by pushing to the mediator program indicia of the differences; and

sending the indicia of the differences from the mediator program to web retrieval servers each comprising a retrieval engine, where the retrieval servers provide to web browsers retrieval of information on the web servers based on the indicia received from the mediator program.

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10. (NEW) A method according to claim 9, wherein the indicia are directed, by the mediator program, to particular web retrieval servers according to categories of content of the indicia.

11. (NEW) A method according to claim 9, wherein the indicia comprise index information that indicates locations of information provided by the web servers.
